

IN THE CLAIMS:

This listing of the claims replaces all prior versions and listings of the claims in this application.

The text of all pending claims (including any withdrawn claims) is set forth below. Canceled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (Original), (Currently amended), (Canceled), (Withdrawn), (Previously presented), (New), and (Not entered).

Please AMEND claims 1-10 and ADD new claims 11-13 in accordance with the following:

1. (Currently amended) A computer-readable storage medium usable with an apparatus comprising a buffer, the computer-readable storage medium having recorded thereon:
audio video (AV) data;
a markup document to be preloaded into the buffer of the apparatus to enable the apparatus to reproduce the AV data in an interactive mode selected by a user of the apparatus, wherein the markup document does not comprise the AV data or any other AV data; and
control information providing functionality to enable the apparatus to identify buffering state information of the markup document to be preloaded into the buffer of the apparatus, the buffering state information being used by the apparatus in reproducing the AV data in the interactive mode selected by the user.
2. (Currently amended) The computer-readable storage medium of claim 1, wherein the control information ~~includes~~ comprises an application program interface (API) that generates a report signal used to identify a buffering state of the markup document.
3. (Currently amended) The computer-readable storage medium of claim 1, wherein the control information ~~includes~~ comprises an [obj].isCached(URL, resType) API that generates a report signal, where the URL is a parameter indicating a file path of the markup document and the resType is a parameter indicating an attribute of the markup document.

4. (Currently amended) The computer-readable storage medium of claim 1, wherein the control information ~~includes~~ comprises an API that returns a value of 0 in response to preloading of the markup document being successful, a value of 1 in response to the preloading of the markup document being failed, and a value of 2 in response to the preloading of the markup document still being conducted.

5. (Currently amended) The computer-readable storage medium of claim 1, wherein the control information ~~includes~~ comprises an API that generates a fetch signal used to issue a command to preload the markup document.

6. (Currently amended) The computer-readable storage medium of claim 5, wherein the API returns a response indicating whether the command to preload the markup document has been successfully transmitted using the fetch signal.

7. (Currently amended) The computer-readable storage medium of claim 1, wherein the control information ~~includes~~ comprises an API that is used to determine whether preloading of the markup document is completed.

8. (Currently amended) The computer-readable storage medium of claim 1, wherein the AV data is ~~selectable~~ selected by the user to be viewed by the user while the AV data is reproduced in the interactive mode selected by the user.

9. (Currently amended) The computer-readable storage medium of claim 1, wherein the interactive mode selected by the user is an interactive mode in which the user views the AV data.

10. (Currently amended) The computer-readable storage medium of claim 1, wherein: the interactive mode is a mode in which the AV data is displayed in a display window defined by the markup document;

the apparatus is selectively operable in the interactive mode in which the AV data is displayed in the display window defined by the markup document, and a non-interactive video mode in which the AV data is displayed in the same manner as AV data recorded on a standard DVD; and

the user of the apparatus selects between the interactive mode and the non-interactive video mode.

11. (New) The computer-readable storage medium of claim 1, further having recorded thereon a startup markup document separate from the markup document to be preloaded into the buffer of the apparatus and comprising preloading instructions enabling the apparatus to preload the markup document into the buffer of the apparatus;

wherein the selection of the interactive mode by the user causes the apparatus to read the startup markup document from the computer-readable storage medium and execute the preloading instructions to preload the markup document into the buffer of the apparatus.

12. (New) The computer-readable storage medium of claim 1, further having recorded thereon a preload list file listing the markup document to be preloaded into the buffer of the apparatus;

wherein the preloading instructions comprise:

at least one instruction enabling the apparatus to read the preload list file from the computer-readable storage medium;

at least one instruction enabling the apparatus to read the markup document to be preloaded into the buffer of the apparatus from the computer-readable storage medium based on the listing of the markup document in the preload list file; and

at least one instruction enabling the apparatus to preload the markup document into the buffer of the apparatus.

13. (New) The computer-readable storage medium of claim 1, wherein the user does not select the interactive mode by accessing the markup document.